



PATENT  
8009-1001

IN THE U.S. PATENT AND TRADEMARK OFFICE

In re application of

Hidetaka ITO

Conf. 9177

Application No. 10/038,655

Group 2154

Filed January 8, 2002

Examiner John Follansbee

PVC SWITCHING CONTROL METHOD FOR ATM  
COMMUNICATION NETWORK

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INFORMATION DISCLOSURE STATEMENT

Technology Center 2100

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In compliance with Rules 1.97 and 1.98, and in fulfillment of the duty of disclosure under Rule 1.56, the accompanying documents, copies of which are attached to this statement, are made of record on the enclosed Form PTO-1449. JP 2000-059374 has already been cited in the Information Disclosure Statement filed January 8, 2002.

A concise explanation of the relevance of these items is that these references were cited by the Japanese Patent Office in the corresponding Japanese Application Serial No. 2001-004350, filed January 12, 2001. A copy of the Japanese Official Action in which they were cited is attached hereto, with what is believed to be the pertinent portion enclosed in a straight line. An English translation of the enclosed portion is also attached hereto.

Under the provisions of 37 CFR 1.97(e), the undersigned hereby certifies that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this Statement.

Respectfully submitted,

YOUNG & THOMPSON



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RJP/lrs

May 28, 2004

## INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

Attorney Docket No.

**8009-1001**

**Applicant:**

Hidetaka ITO

Filing Date:

**January 8, 2002**

Application No.:

**10/038,655**

Group Art Unit:

2154

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Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
	JP 2000-228665	08/15/2000	Japan				
	JP2000-69032	03/03/2000	Japan				
	JP 2000-151634	05/30/2000	Japan				
	JP 10-32590	02/03/1998	Japan				
	JP 10-303913	11/13/1998	Japan				
	JP 11-74895	03/16/1999	Japan				
	JP 5-235983	09/10/1993	Japan				


DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

\* Abstract provided for the Examiner's convenience

#4

ITO-U.S. Pat. Appl. 10/038,655  
Ref. ND-416US-Our Ref. 9009-1001

Claims: 1~10  
Citations: 1, 2

Remarks:

(Regarding Claims 1~3, and 7~10)

Citation 1 (Sections 22 and 30 and Fig. 1) shows the establishment of a VC bundle monitoring path which monitors the troubles of a VC connection bundle corresponding to the VC bundle made by bundling a plurality of channel connections, and when trouble is detected in the VC monitoring path of the currently-used VC bundle, it is regarded that trouble involving all of the VC bundles has occurred, and switching is accomplished to detour the VC bundle.

In addition, Citation 2 (Section 20 and Fig. 2) shows that when trouble occurs in the currently-used PVC, the connection is switched to detour to a PCV.

Accomplishing the invention relating to Claim 1 in which the currently-used PCV and a monitoring path which monitors troubles corresponding to it are established, and when trouble is detected in the monitoring path, it is regarded that trouble occurred in the presently-used PVC, and it is switched to a detour PCV, could be easily conceived by one of ordinary skill in the Art by adopting the PVC described in Citation 2 to the VC connection bundle described in Citation 1.

Note that it is recognized as widely-known technology by one of ordinary skill to switch back from the detour path to the currently-used path when restoration is detected.

(Regarding Claims 4~6)

In general, it is a commonly-known and applied means to detect trouble with the OAM function as a monitoring function of the path, and adopting the OAM function, which is a commonly-known technology, as the path monitoring scheme described in Citation 1 could be easily conceived by one of ordinary skill in the Art.

If a reason for rejection is newly found, you will be so notified.

Reference Citation List

1. Japanese Laid-Open Patent Application 2000-228665
2. Japanese Laid-Open Patent Application 2000-69032

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Record of the Examination Results Relating to Documents of the  
Prior Art

Examined Technical Field:

IPC 7th Edition  
H04L12/56  
DB name

Documents of Prior Art

1. Japanese Laid-Open Patent Application 2000-151634
2. Japanese Laid-Open Patent Application: Hei 10-32590
3. Japanese Laid-Open Patent Application: Hei 10-303913
4. Japanese Laid-Open Patent Application: Hei 11-74895
5. Japanese Laid-Open Patent Application: Hei 5-235983
6. Japanese Laid-Open Patent Application 2000-059374

The record of the examination results relating to documents of  
the prior art does not constitute the reason for rejection.